BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work: Improvements to drains of shabarinagara & surrounding areas in ward no.07 Byataranapura.

[Pick the date]

Estimate cost: 25.00 lakhs

Ward 7 byatarayanapura

Name of Work:- Improvements to roads of shabarinagara & surrounding areas in ward no.07 Byataranapura. Estimated Cost:- 25.00 Lakhs									
S.N	**DESCRIPTION OF WORK**	**Unit**	**N**	**L**	**B**	**D**	**QTY**	**RATE**	**AMOUNT**
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
1	KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. B.Cement Concrete Grade M-15 & M-20. Pg No.139, Item No.18.18								
	Amruthahalli circle to		1	310.00	0.15	0.20	9.30		
					TOTAL		**9.30**	590.42	**5491.00**
	Basic Rate:	sqm	**557.00**						
	Area Weightage @ 6%		33.42						
	Total		**590.42**						
2	Removing and refixing stone slabs of drains and pointing in CM(1:3), Pg No.27, Item No.5.33								
	Covering slab								
	Amruthahalli circle to ashwathkatte		1	310.00	0.90		279.00		
					TOTAL		**279.00**	111.30	**31053.00**
	Basic Rate:	sqm	**105.00**						
	Area Weightage @ 6%		6.30						
	Total		**111.30**						

3	KSRRB 300-1. Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.. Pg No.143.Item No.19.1)								
	Basic Rate:	cum	**130.00**						
	Area Weightage @		7.80						
	Total		**137.80**						
	Cross Road		2	21.00	0.95	0.75	29.93		
	Cross Road		2	21.00	0.95	0.75	29.93		
	Cross Road		2	21.00	0.95	0.75	29.93		
	Desilting of								
	Amruthahalli circle to		1	310	0.60	0.75	139.50		
	Over burden		1	12.00	1.50	0.90	16.20		
					TOTAL		**245.48**	137.80	**33827.00**
4	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications.								
	Basic Rate:	cum	5194.00						
	Area Weightage @		311.64						
	Total		5505.64						
	RCC DRAIN-BOTTOM								
	Cross Road		2.00	21.00	0.95	0.15	5.99		
	Cross Road		2.00	21.00	0.95	0.15	5.99		
	Cross Road		2.00	21.00	0.95	0.15	5.99		
					TOTAL		**17.96**	5505.64	**98854.00**

5	KSRB4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs, with 20 mm and down size graded granite matel coarse aggregates @ 0.878 cum and fine aggragtes @ 0.53cum, machine mixed concrete laid in layers not eceeding 15 cms, thick well compacted, in foundation, plinth and cills including cost of all materials, labour HOM machinery curing complate as per specifications. (Page No. 12. Item No. 4.6)								
	Bottom								
	Cross Road		2.00	21.00	0.75	0.15	4.73		
	Cross Road		2.00	21.00	0.75	0.15	4.73		
	Cross Road		2.00	21.00	0.75	0.15	4.73		
	Side Wall								
	Cross Road	2x2	4.00	21.00	0.15	0.45	5.67		
	Cross Road	2x2	4.00	21.00	0.15	0.45	5.67		
	Cross Road	2x2	4.00	21.00	0.15	0.45	5.67		
					TOTAL		**31.19**	5747.32	**179230.17**
	Basic Rate:	cum	5422.00						
	Area Weightage @ 6%		325.32						
	Total		**5747.32**						
6	Providing **TMT Steel Reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.(Page No.18, Item No.4.46.2)								
	Basic Rate:	Tonn	68233.00						
	Area Weightage @		4093.98						
	Total		72326.98						
	Reinforcement for side wall						31.19		
			At 55 Kg % per cum				**1.72**	72326.98	**124054.00**

7	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / **rectangular slabs /side walls** polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge.(Page No.16, Item								
	Basic Rate:	Sqm	456.00						
	Area Weightage @		27.36						
	Total		483.36						
	SIDE WALL								
	Cross Road	2x4	8	21.00		0.45	75.60		
	Cross Road	2x4	8	21.00		0.45	75.60		
	Cross Road	2x4	8	21.00		0.45	75.60		
							226.80	483.36	**109627.00**
8	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete10cms thick.(Pg No.27, Item								
	Basic Rate:	**sqm**	**912.00**						
	Area Weightage @		**54.72**						
	Total		**966.72**						
	For new drains								
	Cross Road		2	21.00	0.75		31.50		
	Cross Road		2	21.00	0.75		31.50		
	Cross Road		2	21.00	0.75		31.50		
					TOTAL		**94.50**	966.72	**91356.00**
9	KSRB 5-8.1: Providing one line dressing to granite stone slabs/granite stone masonry as per specifications.KBS 5.1.13								
	Basic Rate:	**sqm**	**897.00**						
	Area		**53.82**						
	Total		**950.82**						
	Cross Road		2	21.00	0.75		31.50		
	Cross Road		2	21.00	0.75		31.50		
	Cross Road		2	21.00	0.75		31.50		
					TOTAL		**94.50**	950.82	**89853.00**

10	Providing and fixing 10cms thick pre cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrette laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing complete as per specfications (Data Rate Approved)								
	DETA RATE	**Sqm**							
	Covering Slab		345	0.60	0.90		186.30		
					TOTAL		**186.30**	2337.00	**435383.10**
11	Providing and fixing 20 cm thick pre cast RCC covering slab using reinforced cement concrete M 20 mix with stone aggregate 20 mm and down size including centring shuttering reinforcement and bar bending machine mixed concrete laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing comlete as per specification (Data Rate)								
	DETA RATE	**Sqm**							
	Covering Slab								
	Amruthahalli circle to		207	0.60	1.50		186.30		
							186.30	5418.00	1009373.40

12	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 136, item							
	Basic Rate	cum	**57.00**				245.48	94.34	**23159.00**
	Rs. 2.50 Tonne								
	Average Weight of earth 1.28 Tonne/Km.								
	For 10 Km								
	Rs.2.50X1.28To		**32.00**						
	Total		**89.00**						
	Add Area Weightage6%		**5.34**						
			94.34						
13						**Sub Total**			**2231260.67**
14						**Add 12% GST charges**			**267751.28**
15						**Miscelleneous charges**			**988.04**
16						**Total**			**2500000.00**

; **1)This is certified that the work spot comes under BBMP limits only.**
2) The work spot is inspected by me
3) The items Provided in the Estimate are quite Essential
4)The rates are as per CSR of 2018-19 year of PWD Bangalore Circle.

Asst.Engineer
Ward no.7

Asst.Exe.Engineer
Kodigehalli Sub-division
B.B.M.P.

18/03

Executive Engineer
Byatrayanapura Division
B.B.M.P.

18/03

Administrative Approval

Accorded For Rs 25.00 lakhs only
Head of A/C..P.3726...
CER NO :...116.... Dt..20.03.2020

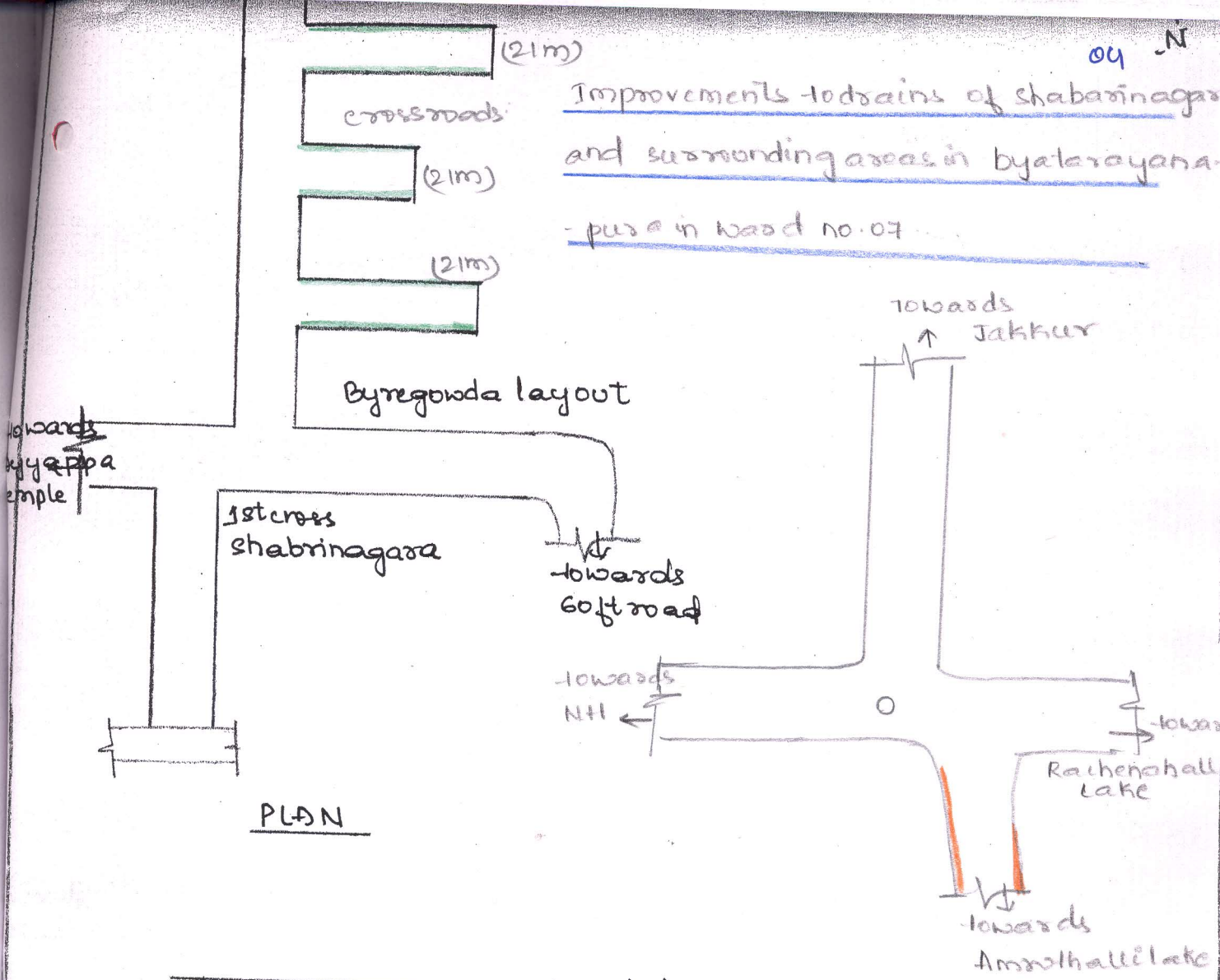
TA CE (YNK)

Technical Sanction

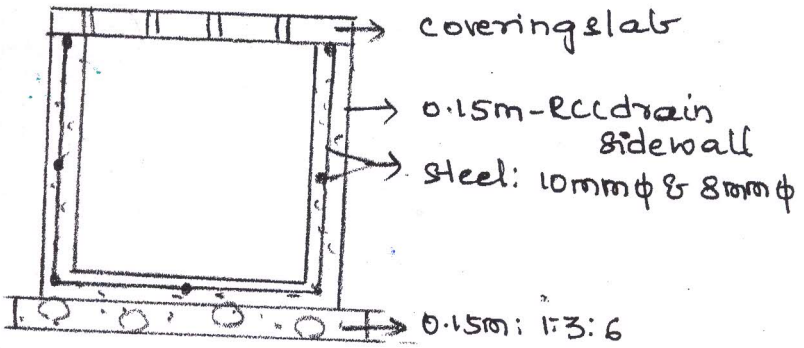
Accorded For Rs 25.00 lakhs only
Head of A/C..P.3726...
CER NO :...312..... Dt..20.03.2020

TA CE (YNK)

Improvements to drains of shabarinagara and surrounding areas in byatarayana-pura in ward no.07



PLAN



CROSS SECTION OF RCC DRAIN

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	-RCC drain
	-Improvements to drains

Ashilly.N.D
AE(WT)